ROBOTS IN ASSISTED

LIVING ENVIRONMENTS

UNOBTRUSIVE, EFFICIENT, RELIABLE AND MODULAR SOLUTIONS FOR INDEPENDENT AGEING

Research Innovation Action

Project Number:  643892          Start Date of Project: 01/04/2015          Duration: 36 months

# DELIVERABLE 7.7
# Dissemination and Communication Plan III

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# Executive Summary

This deliverable provides an outline of the upcoming planned dissemination and communication activities for the third year (M24 - M36) of the RADIO project. Additionally, a review of the dissemination and communication activities conducted during the second year of the project, are included in the document.

In the first section of the report, a brief introduction is made to the approach, purpose and scope of the deliverable as well as its relation to other work packages. In the second section, the communication strategy to be followed in the third, and final, year of the project is outlined including indicative events and conferences to be attended. In the third section, the dissemination and communication activities undertaken during the second year of the project are described and showcased. Finally, conclusions are drawn in the fourth and final section of this document.

# ABBREVIATIONS AND ACRONYMS

| AAL | Ambient Assisted Living |
|---|---|
| ADL | Activities of Daily Life |
| AVN | AVN Innovative Technology Solutions Ltd. |
| BLE | Bluetooth Low Energy |
| CPS | Cyber-Physical Systems |
| FHAG | Fundació Hospital Asil de Granollers |
| FSL | Fondazione Santa Lucia |
| FZ | FrontidaZois |
| ICT | Information and Communications Technology |
| IPR | Intellectual Property Rights |
| NCSR-D | National Centre for Scientific Research "Demokritos" |
| ROBOTNIK | Robotnik Automation SLL |
| RTD | Research, Technological Development |
| RUB | Ruhr Universitat Bochum |
| S&C | Sensing & Control Systems S.L. |
| SME | Small Medium Enterprise |
| TWG | Technical Educational Institute of Western Greece |

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# 1 INTRODUCTION

## 1.1 PURPOSE AND SCOPE

There are two aspects to the purpose of this deliverable. Firstly, it aims to provide an overview of the different activities the project has undertaken within this past year, in terms of promoting the partnership's work to the target audiences.

Secondly, this document outlines plans for dissemination, communication and awareness activities for the final year (Y3) of the project that aim to:

1.   Inform the research community of the latest developments taking place within the project and how the project may affect its research field;
2.   Foster community building and to have an impact on Industry and Research in Europe and Worldwide;
3.   Inform user groups and the general public of the most recent developments taking place in the project and how it may affect their lives in the future;
4.   Continue to raise awareness of the project and its achievements
5.   Focus even more on creating new leads for the successful exploitation of project results at a later stage.

## 1.2 RELATION TO OTHER WORK PACKAGES, DELIVERABLES AND OBJECTIVES

This deliverable is part of work package *WP7 Dissemination, Exploitation, and Communication activities.* It is the third and final deliverable relating to the dissemination and communication plans and is connected and prepared within *Task 7.2 Dissemination, Communication and Awareness activities* and satisfies Objectives:

1.   *To inform the research community of the state-of-the-art developments taking place in the project and how the project may affect its research field.*
2.   *To foster community building and to realize impact on industry and research in Europe and worldwide.*
3.   *To inform user groups and the public of the state-of-the-art developments taking place in the project and how it may affect their lives.*

## 1.3 APPROACH OF THE DELIVERABLE

As mentioned, this deliverable has the purpose to promote RADIO through various channels to the defined target audiences.

The Deliverable is structured in the following way:

*Section 2* will provide an outlook on what is to come in year 3 in terms of the strategy to be followed and suggested events and activities to be undertaken. Finally, *Section 3* gives an overview of the dissemination and communication activities undertaken (events, publications, social media, website etc.) and the material produced (videos, infographics etc.) by the partnership during the second year of the project.

# 2 DISSEMINATION & COMMUNICATION STRATEGY

The objective of the dissemination strategy is to identify and organise the activities to be performed by RADIO partners within the coming time period in order to maximize the influence of the project and to promote scientific results, explore commercial opportunities and focus on exploitable possibilities.

In more detail, the objectives of RADIO dissemination are:

1.  To continue raising public awareness about the project, its expected results and progress within the defined target groups using effective communication means and tools;
2.  To exchange experiences and know-how with similar projects and expert groups working in the broader domains of ICT, eHealth and Robotics in order to join efforts, minimize duplication and maximize potential;
3.  To disseminate the knowledge, the methodologies and technologies generated from the project;
4.  To focus even more on raising awareness amongst target audiences which the RADIO group would address for exploitation of project results later.

## 2.1 TARGET AUDIENCES AND DISTRIBUTION CHANNELS

The dissemination and communication strategy of RADIO is aimed at four different groups defined as follows:

### Scientific Community & Domain Experts

The scientific community and domain experts, have been and, will continue to be addressed heavily through the distribution channels mentioned in Table 1. They are identified either as single researchers being part of an organisation or as actual research institutions (academic or private) in Europe and Worldwide. Their interest focuses on the exchange of knowledge and scientific outcomes (hard data and results) rather than the public benefits or how they interconnect with the social structure. The aim is to spread and share the scientific results, and initiate further collaboration between academic institutes and research centres.

### General Public - Public and Private Companies

The general public and companies group may also include the groups mentioned above but also other stakeholders who may be interested in the project activities and results requiring more simplified and understandable information. The public would want to find out how project results could affect their daily lives whilst companies would be interested in identifying potential marketable features which would make this an attractive service to exploit in the future.

### Media and Journalists

The Media is a separate target groups requiring abundant amounts of information in a timely manner and with regular updates in order to feed this information to the general public, or even scientists via specialized publications. Information needs to have a certain depth but also not be too scientific for a journalist to understand.

### Key Communication Message

The objective is to inform the target groups about the new services derived from the RADIO project and their uniqueness. At the point of launch, the ultimate goal will be to raise awareness and to communicate the RADIO innovations and benefits of their application in people's everyday lives.

| Target group | Distribution Channels |
|---|---|
| Scientific Community & Domain Experts | 1. Academic fora<br>2. Scientific conferences and workshops<br>3. Clusters and similar European projects<br>4. Specialised journals and other publications<br>5. RADIO Book<br>6. Social Networks |
| General Public | 1. Project website<br>2. Social Networks<br>3. Marketing material (brochures, posters, fact sheets) |
| Public & Private Companies | 1. Trade fairs<br>2. Industrial events & workshops<br>3. Project website<br>4. Social Networks<br>5. Specialised domain-related Media |
| Media & Journalists | 1. Project website<br>2. Social Networks<br>3. Domain-specific conferences<br>4. Press releases |

## 2.2 PROJECTED DISSEMINATION ACTIVITIES

### 2.2.1 DISSEMINATING TO THE SCIENTIFIC COMMUNITY AND RELEVANT STAKEHOLDERS

Appreciating the importance of outreach activities, RADIO partners will focus more on promoting the results of the project and establishing awareness amongst target audiences in order to be ready to exploit the results, closer to the project's end. Therefore further dissemination activities will be scheduled aiming to reach more people. RADIO partners will continue to target highly esteemed academic as well as industrial publications and events to further raise public and scientific awareness about the project and its achievements.

The targeted events to participate will include technology plug festivals within which RADIO will organise focused technical workshops for software developers and researchers. The aim will be to meet with and allow for the ICT community to experiment with RADIO components and developed tools whilst raising project awareness.

Table 2 presents a list of indicative events targeted for the third period of the project. The events listed have been chosen so as to be aligned with the objectives of the RADIO project so as to be able to communicate them to relevant target audiences. Therefore the events will include scientific and commercial events relating to eHealth, Robotics and the ICT domains addressing the elderly population and cognitive impairments like Alzheimer's disease and Dementia.

Both the organisation of events as well as invited talks will be conducted by the RADIO project partners; an indicative list is shown at Table 2 below.

TABLE 2: INDICATIVE LIST OF TARGETED EVENTS FOR YEAR 3

| Event | Relevance | URL |
|---|---|---|
| E!nnovest Venture Forum, 19 May 2017, Barcelona, ES | Forum during which companies present their achievements and business plans to business angels, venture capitalist7s and corporate investors. | http://2016.eurekainnovest.eu/events/view.aspx?events_pages_id=7848 |
| 8th International Symposium on highly-Efficient Accelerators and Reconfigurable Technologies (HEART 2017), 6-9 June 2017, Bochum, DE | High impact symposium and international forum on state-of-the-art research in high-performance and power-efficient computing using accelerator technologies such as FPGAs, GPGPUs, and/or specialized accelerators. | http://heart2017.esit.rub.de/ |
| IEEE Computer Society Annual Symposium on VLSI (ISVLSI 2017), 3-5 July 2017, Bochum, DE | High impact symposium that explores emerging trends and novel ideas of VLSI including VLSI circuits, systems and design methods. Attracts researchers and industry. | http://www.isvlsi.org/ |
| 3rd International Conference on Human Aspects of IT for the Aged Population (HCI International 2017), 9-14 July 2017, Vancouver, CA | The HCI Conference is an international forum for the dissemination and exchange of up-to-date scientific information on theoretical, generic and applied areas of Human-Computer Interaction (HCI), Human Interface and Management of Information, Universal Access, Engineering Psychology, Cognitive Ergonomics, Virtual, Augmented and Mixed Reality, Collaboration Technologies etc. | http://2017.hci.international/ |
| 5th Hellenic Forum for Science, Technology & Innovation, 10-14 July 2017, Athens, GR | NCSR-D will promote RADIO via presentations during workshops, poster displays as well as the demonstration of the RADIO smart room to the public with organised visits and robotic demonstration to conference delegates. | http://events.demokritos.gr/ |
| ReCoSoC, 12-14 July 2017, Madrid, ES | Reconfigurable and communication-centric systems-on-chip. Attracts researchers and senior academics. | http://www.recosoc.org/ |
| VIPES 2017, 16 July 2017, Samos, GR | Conference on embedded computer systems: architectures, modeling and simulation | http://samos-conference.com/?q=node/60 |
| MCCSIS 2017 - 9th International Conference on eHealth, 20-22 July 2017, Lisbon, PT | The use of ICT in Healthcare Services is the main mechanism to improve efficiency and effectiveness. This conference aims to draw together information systems, practitioners and management experts from all quadrants involved in developing computer technology to improve healthcare quality. | http://ehealth-conf.org/ |
| 13th European Union Geriatric Medicine Society Congress (EUGMS 2017), 20-22 September 2017, Nice, FR | High-impact venue for disseminating RADIO outcomes to geriatrics professionals. Congress targets specialists and health care professionals sharing the same interest in geriatric medicine. | http://www.eugms.org/2017.html |
| DASIP 2017 - Conference on Design and Architectures for Signal and Image Processing 27-29 September 2017, Dresden, DE | High impact conference and international forum for latest innovations and developments in the field of leading edge embedded signal processing systems. | http://dasip2017.esit.rub.de/ |
| Researchers' Night, NCSR-D & other partners across Europe 29 September 2017, Athens, GR | NCSR-D will promote RADIO to the general public via posters, organised visits and the demonstration of its robotic system in use at the RADIO smart room. | http://ec.europa.eu/research/researchersnight/index_en.htm |

| Event | Relevance | URL |
|---|---|---|
| AAL FORUM, 2-4 October 2017, Coimbra, PT | The AAL Forum is the place to be for the European community dealing with technology and active ageing. It brings together all the stakeholders | http://www.aalforum.eu/ |
| IOT Solutions World Congress, 3-5 October 2017, Barcelona, ES | Industrial Congress for IoT | http://www.iotsworldcongress.com |
| Rehacare Trade Fair 2017, 4-7 October, Düsseldorf, DE | Leading trade fair for rehabilitatiion and care. | http://www.rehacare.com/ |
| 19th IEEE Healthcom, 12-15 October 2017, Dalian CN | IEEE Healthcom 2017 aims at bringing together interested parties from around the world working in the healthcare field to exchange ideas, discuss innovative and emerging solutions, and develop collaborations. | http://healthcom2017.ieee-healthcom.org/ |
| Smart City Expo, World Congress, 14-16 November 2017, Barcelona, ES | SCEWC gathers together the highest level of global stakeholders from SW and HW technologies for smart cities to exchange experiences, ideas, form valuable connections and make international business deals. | http://www.smartcityexpo.com |
| Ageing Fit, 6-7 February 2018, Nice, FR | The 1st European business convention dedicated to innovation in the healthy ageing sector, gathering all actors in the innovation cycle from research to market, along with the key players in regulation and evaluation. | http://www.ageingfit-event.com/ |
| DATE 2018, 19-23 March, Dresden, DE | Conference and exhibition bringing together designers and design automation users, researchers and vendors, as well as specialists in the hardware and software design, test and manufacturing of electronic circuits and systems. | http://www.date-conference.com/ |
| 3rd IET International Conference on Technologies for Active and Assisted Living (TechAAL 2017), DATE TBC, 2017, Alicante, ES | Attracts researchers and professionals with different expertise including technological, health care, social sciences and business. High-impact venue for disseminating RADIO outcomes on mobile communications and healthcare applications. | http://www.theiet.org/events/tpn/techaal/ |
| ICT4AWE 2018, International Conference on Information a& Communication Technologies for Ageing Well and e-Health (Date and place TBA) | The International Conference on Information and Communication Technologies for Ageing Well and e-Health aims to be a meeting point for those that study and apply information and communication technologies for improving the quality of life of the elderly and for helping people stay healthy, independent and active at work or in their community along their whole life. | http://www.ict4ageingwell.org/ |

### 2.2.2 DISSEMINATION TO REGULATORY AGENCIES

To give an indication of the activities scheduled to take place in the final year of the project regarding raising awareness with Regulatory Agencies, we provide two examples of what has been achieved in the past year by the partnership.

**Figure 1**: 6th R+D+i TIC Salut Meeting. Dr. Elena Barranco presented the RADIO project
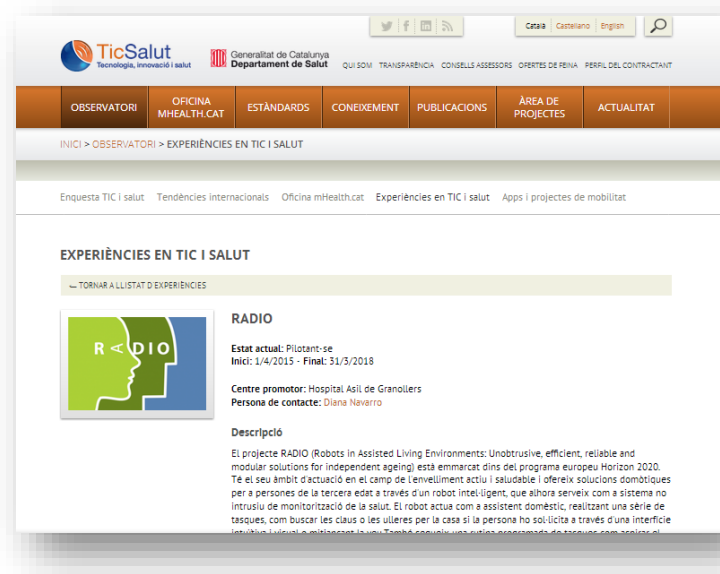


**Figure 2**: Displaying the RADIO project on the TIC Salut project repository

More specifically, partner FHAG discussed the RADIO project at the 6[th]R+D+i TICSalut Meeting at the Universitat de Vic (Catalunya-Spain) in September 2016, so as to raise awareness and ask them to engage with the project. The Fundació TIC Salut (http://www.ticsalut.cat/observatori/en_index/) is the Catalan agency that analyses the implementation of ICT in health institutions in Catalonia. Aside from carrying out an inventory of innovative projects in ICT and health if offers strives for a degree of development and deployment, in so as to offer a global view of the situation of innovation projects throughout the region and the world. This meeting about R+D and innovation in social health aimed to be a platform to facilitate knowledge and technology transfer between the different stakeholders in social care and social health. A relevant video may be accessed on YouTube (https://youtu.be/TDbH0DlQrbk) with Dr. Elena Barranco speaking (Time: 37:45mins - 41:31mins) (see Figure 1).

In addition to the above, a permanent display of the RADIO project has been set up on the TIC Salut website, under the project repository section see Figure 2 (http://www.ticsalut.cat/observatori/innova-tic-salut/142/radio).

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**Figure 3**: Coordinator V. Karkaletsis at the University of Texas at Arlington, USA

### 2.2.3   DISSEMINATION TO RELEVANT STAKEHOLDERS

The RADIO project, has been and, will continue to be further disseminated internationally, beyond Europe to the USA, through the iPerform Center at the University of Texas at Arlington (http://iperform.uta.edu/). The iPerform Center is an NSF-funded Research Center having as its primary mission to bring together researchers from Academia and the Industry to advance basic and applied research in Assistive Technologies and enhance human performance (Figure 3).

The coordinator of RADIO, Dr. Vangelis Karkaletsis, NCSR-D, has presented, and will continue to do so, the project's activities in relevant iPerform events, as a member of the Industrial Advisory Board of the iPerform Center.

# 3 OVERVIEW OF THE DISSEMINATION AND COMMUNICATION ACTIVITIES UNDERTAKEN

## 3.1 RADIO DISSEMINATION - ONLINE PRESENCE - RADIO WEBSITE & SOCIAL MEDIA

### 3.1.1 OFFICIAL RADIO PROJECT WEBSITE

The project website, available under http://www.radio-project.eu, has been online since March 2015, and is constantly being updated with information about the project. The website is an integral part of the project's communication strategy and one of the main dissemination channels available for updates about the project's progress and achievements. The design of the website builds upon EC Best Practice Guidelines (EC, 2010) regarding visual and verbal communication, visibility etc.



**Figure 4**: Homepage of the RADIO website

## Website Statistics for years 1 and 2

Over the course of the past year, the website indicates to have attracted an increased number of visitors with 1,779 session in Year 1 and 2,300 sessions in Year 2. Unique users have also increased from 1,012 in the first year, to 1,504 in the second one. The statistics demonstrate an upward trend however partners will strive to also increase the number of time someone spends browsing on the platform and the number of publications (deliverables, fact sheets etc.) being downloaded for viewing (see Figures 5 & 6) **Error! Reference source not found.**.
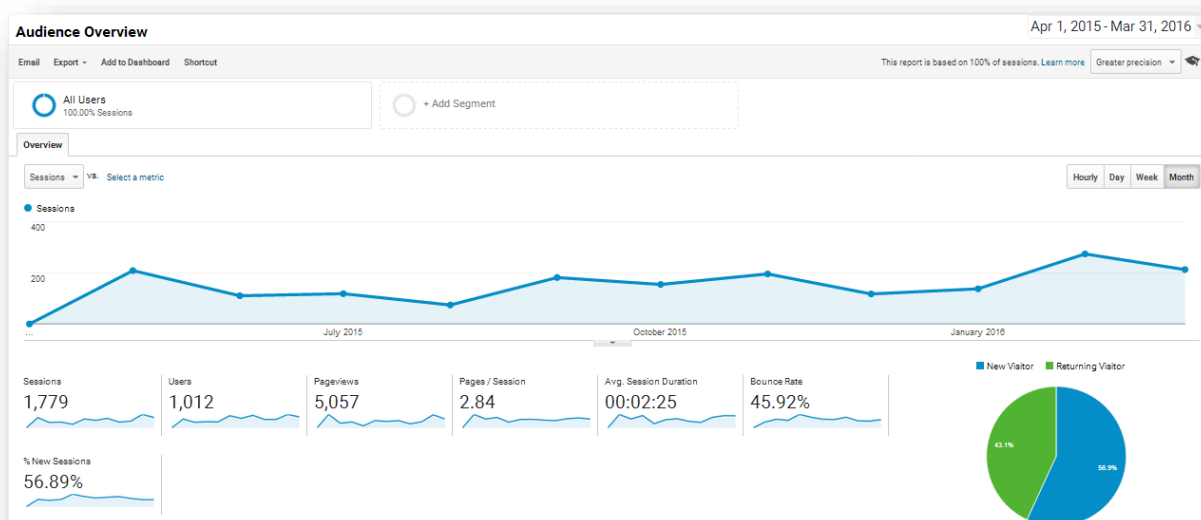
**Figure 5**: Website visits Year 1 overview: 1 April 2015 - 31 March 2016
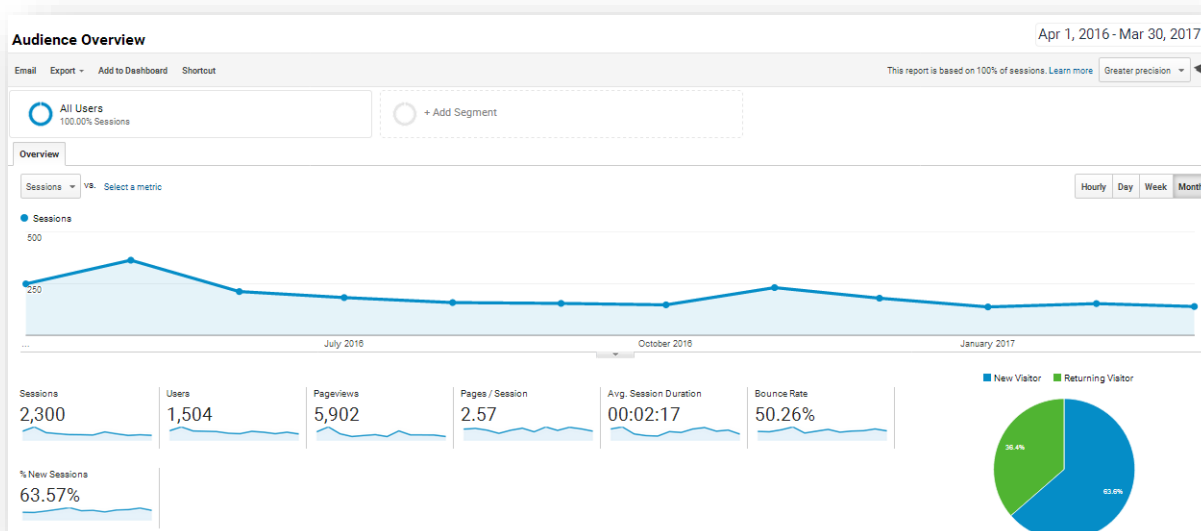


**Figure 6**: Website visits Year 2 overview: 1 April 2016 - 30 March 2017

### 3.1.2   *RADIO ON SOCIAL NETWORKS*

Popular Social Networks are being used by the project to reach and communicate information to its audiences as it is evident that they are quickly becoming an essential part of customer outreach for brands. Apart from the project website, as an online channel, social media usage is important to help engage with the community. They are very cost-effective compared to traditional media approaches hence the project continues to have social media appearance on Twitter, LinkedIn, YouTube and GitHub.

Consortium partners regularly produce information about RADIO which means they publish articles, domain-related scientific advances and interesting project news to followers. The project video and infographics along with other multimedia material has been disseminated via social networks to the public.

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All partners help promote the posts and audio-visual material further via their organisational and personal social network accounts. NCSR-D has the overall responsibility to oversee the activity, however all partners contribute content and activities. The RADIO logo is used consistently on all related outcomes and dissemination activities so as to visually consolidate the RADIO online presence.

### *TWITTER*

The project's official Twitter account is accessible via the handle *@RADIOProjectEU* (Figure 7) with 168 followers and has posted 227 tweets. There is scope for growth here however the profile has a good follower base that shares the material such as the EIP AHA (7,896 followers) and the AAL Programme (2,422 followers). The RADIO profile tweets are summarized in Table 7 below.



**Figure 7:** RADIO on Twitter
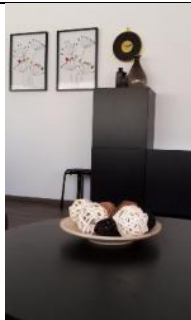
TABLE 3: TWITTER POSTS FROM THE OFFICIAL RADIO ACCOUNT

| TWITTER POSTS | | | | |
|---|---|---|---|---|
| **Tweet** | **Date** | **Image** | **Impressions** | **Link** |
| Announcing @RadioProjectEU participation with #robot. @AthensSciFest 5-10.4 @NCSR_Demokritos http://buff.ly/1TnvcWW | 01.04.2016 |  | 1,082 | https://twitter.com/RadioProjectEU/status/715878369670336512 |
| #robots #technology<br><br>Retweeted Barrett Technology<br><br>"How Google Wants to Solve Robotic Grasping by Letting Robots Learn for Themselves"<br><br>http://buff.ly/1WXSvpi | 03.04.2016 | N/A | 534 | https://twitter.com/RadioProjectEU/status/716422789943672832 |
| .@AthensSciFest kicks off today in Athens @RadioProjectEU team to show off #robot "JOE" to Greek public. Stay tuned! | 05.04.2016 | N/A | 991 | https://twitter.com/RadioProjectEU/status/717285917329866752 |
| Meet JOE! New #robotics addition to be presented to Greek public by @RadioProjectEU@AthensSciFest kicking off today | 05.04.2016 |  | 1,090 | https://twitter.com/RadioProjectEU/status/717336162071916546 |
| .@RADIO team members are getting ready for @AthensSciFest. Testing #robot JOE before he meets with the public. | 08.04.2016 |  | 1,090 | https://twitter.com/RadioProjectEU/status/718389982931611649 |
| .@RadioProjectEU team at work #AthensScienceFestival that ended today.Thank U all for dropping by to meet #robot Joe | 11.04.2016 |  | 1,471 | https://twitter.com/RadioProjectEU/status/719274639705432064 |

| | | | | |
|---|---|---|---|---|
| Retweet Robert Peteuil<br><br>How IoT & Big Data are Driving Fog Computing #IoT #BigData http://robp.co/1TyoJsM | 15.04.2016 | N/A | N/A | https://twitter.com/RobertPeteuil/status/720888410962075648 |
| Biggest consumer complaint about #wearables: hardware getting better, but not apps #IoT http://buff.ly/20JdkXK | 16.04.2016 | N/A | 854 | https://twitter.com/RadioProjectEU/status/721232198234411008 |
| A commercial building with everything connected? http://buff.ly/20Jhzmb @BoschSI #IoT #SmartHome | 16.04.2016 | N/A | 678 | https://twitter.com/RadioProjectEU/status/721328567179743232 |
| 64 Healthcare #IoT startups in patient monitoring, clinical efficiency, biometrics and more http://buff.ly/1SHHWTj | 17.04.2016 |  | 807 | https://twitter.com/RadioProjectEU/status/721587009924546560 |
| Data collection for project underway @NCSR_Demokritos to build human pattern recognition. http://buff.ly/1NzkLsO | 19.04.2016 |  | 597 | https://twitter.com/RadioProjectEU/status/722441510550167552 |
| Day 1 of @RadioProjectEU Technical meeting @NCSR_Demokritos premises: team brainstorming and #Robot/FPGA integ3ration | 22.04.2016 |  | 1,346 | https://twitter.com/RadioProjectEU/status/723277598642581505 |
| Day 2 of @RadioProjectEU Technical meeting @NCSR_Demokritos premises: filming for documentary production of project | 22.04.2016 |  | 870 | https://twitter.com/RadioProjectEU/status/723507948702568448 |
| RADIO partners team photo at the end of Day 2 of Technical meeting @NCSR_Demokritos. A lot of good work got done! | 22.04.2016 |  | 729 | https://twitter.com/RadioProjectEU/status/723542536032247810 |

| | | | | |
|---|---|---|---|---|
| Retweet ROBOTNIK<br><br>ROBOTNIK presented the simulated environment to be used to test robot navigation at @RadioProjectEU 1st Tech meeting | 28.04.2016 | N/A | N/A | https://twitter.com/RobotnikRobots/status/72559451875457843 2 |
| AthensScienceFestival 2016 σεέναβίντεο - http://buff.ly/1poWgIS .31000 επισκέπτες, 318 εκδηλώσεις, 130 φορείς ... #asf | 28.04.2016 |  | 557 | https://twitter.com/RadioProjectEU/status/72568 6069098848 257 |
| RADIO partners after the 1st Review Meeting, plan the 2nd year of the project in the 3rd Plenary in Brussels! | 13.05.2016 |  | 1,160 | https://twitter.com/RadioProjectEU/status/73108 9623502487 552 |
| Our plenary meeting finished, we are ready for a more exciting 2nd year to come! #indipendentliving #activeaging #SmartHome #robots | 13.05.2016 | N/A | 584 | https://twitter.com/RadioProjectEU/status/73121 1728013434 880 |
| Work in progress today @NCSR_Demokritos! The @ikea_gr team is setting up the RADIO Project #SmartHome! Staytuned! | 24.05.2016 |  | 1,001 | https://twitter.com/RadioProjectEU/status/73503 4886025797 632 |
| Project #Smart Room @NCSR_Demokritos premises is now ready! Thank you @ikea_gr & @KotsovolosOn. Get a glimpsehere. | 30.05.2016 |  | 761 | https://twitter.com/RadioProjectEU/status/73721 7011462377 472 |
| Watch 1st animated #infographic @RadioProjectEU explaining the concept & objectives of the action #SmartHome #robots http://bit.ly/1TSE9cy | 03.06.2016 | N/A | N/A | https://twitter.com/RadioProjectEU/status/73870 0469367939 074 |
| Watch 1st animated #infographic @RadioProjectEU here! #SmartHome #robots http://bit.ly/1TSE9cy | 03.06.2016 |  | 538 | https://twitter.com/RadioProjectEU/status/73870 9512811646 976 |

| | | | | |
|---|---|---|---|---|
| RetwittedActiveHealthyAgeing<br><br>#H2020 EU project @RadioProjectEU is developing an integrated #SmartHome /assistant #robot system for #ageing | 08.06.2016 |  | N/A | https://twitter.com/EIP_AHA/status/740472257529712641 |
| Praise @RadioProjectEU on national Greek TV. N.Voros presents #robot Zacharias to the public http://buff.ly/1UedbZT | 13.06.2016 |  | 543 | https://twitter.com/RadioProjectEU/status/742374965295632385 |
| how will the smart home will look like in 2036? #iot #SmartHome<br><br>Retweet Innovate UK<br><br>#IntelligentHomes will wake you up based on traffic or public transport delays: http://ow.ly/RN3z301ij3B #IoT #Vid | 17.06.2016 |  | 480 | https://twitter.com/RadioProjectEU/status/743780191445581824 |
| Retweet ROBOTNIK<br><br>All is ready for @AUTOMATICAfair! Come and visit us tomorrow at the Service Robotics hall!<br><br>So excited for these days! :D #Automatica2016 | 20.06.2016 | N/A | N/A | https://twitter.com/RobotnikRobots/status/744989208989810688 |
| Summer School Univ. students attend workshop at RADIO #SmartRoom. NCSR Demokritospremises,GR @KotsovolosOn @ikea_gr | 19.07.2016 |  | 491 | https://twitter.com/RadioProjectEU/status/755362235367755776 |
| Partner @hggranollers to present RADIO Project at upcoming #JornadesRDI conf. 29 - 30 Sept. http://bit.ly/2bIFbHv | 25.08.2016 |  | 748 | https://twitter.com/RadioProjectEU/status/768807972868849664 |
| Retweeted Jornades RDI<br><br>Comunicació @RadioProjectEU TIC i envellimentactiu i saludable en habitatgesassistitshttp://www.radio-project.eu/ @hggranollers #JornadesRDI | 29.09.2016 | N/A | N/A | https://twitter.com/JornadesRDI/status/781495405783769092 |
| Retweeted ROBOTNIK<br><br>Robotnik and @BarrettTechInc will be together in IEEE IROS 2016! 9th-14th October Seoul, Booth - B13<br><br>It's time for robots! | 04.10.2016 |  | N/A | https://twitter.com/RobotnikRobots/status/783207954359148544 |

| | | | | |
|---|---|---|---|---|
| Retweet eHealth Forum<br><br>ATHENS at the heart of #digitalhealth innovation. Join us Oct. 25-26 for an event packed with international #eHealth stakeholders. #eHF16 | 11.10.2016 | N/A | N/A | https://twitter.com/eHealthF/status/785941771725381632 |
| Retweet eHealth Forum<br><br>An #ehealth tech event w/out a #robot is not an event. @RadioProjectEU is coming to the #eHF16 #Startup Garden! | 13.10.2016 | N/A | N/A | https://twitter.com/eHealthF/status/786590971760959488 |
| RADIO project participates at the @eHealthF in Athens, Greece. Watch and share our infographic! | 14.10.2016 | N/A | 1,001 | https://twitter.com/RadioProjectEU/status/786831192536514560 |
| The #eHealth Forum starts tomorrow in Athens, Greece. RADIO Project participates with demos & presentations! http://bit.ly/2f07vHT  #eHF16 | 24.10.2016 |  | 943 | https://twitter.com/RadioProjectEU/status/790542945028046848 |
| Retweet Vagelis Antoniadis<br><br>Portugal seems to have a concrete strategic plan around #eHealth presented by Henrique Martins at #ehf16 . | 26.10.2016 |  | N/A | https://twitter.com/vanton_/status/791184504249520128 |
| RADIO project partners @NCSR_Demokritos& TEI of Western Greece ready to welcome the public in Athens with our robots in the frame of #eHF16 | 26.10.2016 |  | 1,008 | https://twitter.com/RadioProjectEU/status/791207915294195712 |
| RADIO project robots make it into National Greek TV during the eHealth Forum in Athens! Video link to follow shortly. #eHF16 | 26.10.2016 | N/A | 897 | https://twitter.com/RadioProjectEU/status/791215900393340928 |
| RADIO project was presented to #eHealth audiences earlier today at the Athens Megaron Intl Conf. Centre Hall: MC2 http://bit.ly/2f07vHT | 26.10.2016 | N/A | 1,338 | https://twitter.com/RadioProjectEU/status/791227240105308160 |

| | | | | |
|---|---|---|---|---|
| Checking out @RadioProjectEU robots at the StartUp Garden running in parallel to the #eHealth Forum in Athens #eHF16 | 26.10.2016 | N/A | 798 | https://twitter.com/RadioProjectEU/status/791246975958147073 |
| #Robots<br><br>Future robots will learn through curiosity and self-generated goals http://ift.tt/2eJDgAX | 31.10.2016 | N/A | 322 | https://twitter.com/RadioProjectEU/status/793025774265724929 |
| #eHealth<br><br>Amputees with prosthetic arms may get their natural sense of touch restored: http://bit.ly/2eeOEnz | 31.10.2016 | N/A | 353 | https://twitter.com/RadioProjectEU/status/793045020857303040 |
| .@RadioProjectEU partners hold technical meeting in Nafpaktos, GR today. Teams checking progress in the new #ambientassistedliving lab | 14.11.2016 |  | 1,619 | https://twitter.com/RadioProjectEU/status/798172266077061121 |
| Tomorrow @hggranollers hospital we present our @RadioProjectEU activities in the 21st Science Week @fundaciorecerca #SC16cat | 15.11.2016 |  | 1,136 | https://twitter.com/RadioProjectEU/status/798578428987535362 |
| The technical partners of the RADIO project assemble for a family photo at the #Ambient #Assisted #Living Lab in Nafpaktos, GR. | 16.11.2016 | N/A | 1,640 | https://twitter.com/RadioProjectEU/status/798650092406339936 |
| Watch this mini video of the work conducted by technical partners at the #ambient #assisted #living lab in the frame of RADIO project. | 16.11.2016 | N/A | 693 | https://twitter.com/RadioProjectEU/status/798651584951353344 |
| Retweet Robotica Magazine<br><br>RobotnikRobots: RT RadioProjectEU: The technical partners of the RADIO project assemble for a family photo at the … | 16.11.2016 | N/A | N/A | https://twitter.com/roboticarevista/status/798667541044281344 |

| | | | | |
|---|---|---|---|---|
| Today @hggranollers celebrate the 21st Science Week @fundaciorecerca #SC16cat. Come to meet us and learn about @RadioProjectEU #AAL | 16.11.2016 | N/A | 1,199 | https://twitter.com/RadioProjectEU/status/798843639644311552 |
| .@RadioProjectEU at the 21st Science Week http://bit.ly/2fgzy1o @fundaciorecerca #SC16cat | 16.11.2016 |  | 1,283 | https://twitter.com/RadioProjectEU/status/798899990479458304 |
| 21st #Science Week in Barcelona, @hggranollers presenting their activities and @RadioProjectEUhttp://bit.ly/2gyNGHl , #SC16cat | 28.11.2016 |  | 386 | https://twitter.com/RadioProjectEU/status/803279616714502144 |
| RADIO project partners at the 2nd Plenary meeting discussing about #activitiesofdailyliving #robots #SmartHome | 01.12.2016 |  | 618 | https://twitter.com/RadioProjectEU/status/804339000773345280 |
| RADIO project socializing after the #plenary meeting in #Bochum! | 02.12.2016 |  | 1,015 | https://twitter.com/RadioProjectEU/status/804673915780005888 |
| The RADIO team at the last day of the #plenary meeting. Thank you @ruhrunibochum for hosting us! #robot #smarthome #ageing | 05.12.2016 |  | 607 | https://twitter.com/RadioProjectEU/status/805728762641940480 |
| Project RADIO partaking at #AgeingSummit in Neighbourhoods of the Future session in Brussels w/ V.Karkaletsis from partner @NCSR_Demokritos. | 08.12.2016 |  | 667 | https://twitter.com/RadioProjectEU/status/806823506398900224 |
| .@RadioProjectEU attending session .@andybleaden UK: What is needed to build neighbourhood of future? "Whatever happens with #brexit, EU cooperation continues" #AgeingSummit | 08.12.2016 | N/A | 498 | https://twitter.com/RadioProjectEU/status/806824007551119361 |

| | | | | |
|---|---|---|---|---|
| RADIO on National Greek TV today. Dr. Voros, TEI of Western Greece, shows off project work in #AAL house #ehealth http://bit.ly/2hzRtFj | 13.12.2016 | | 532 | https://twitter.com/RadioProjectEU/status/808647332782862336 |
| New #AALHouse of the RADIO project opens its doors to the public in Nafpaktos, GR by partner TEI of Western Greece http://bit.ly/2ht4242 | 28.12.2016 | | 315 | https://twitter.com/RadioProjectEU/status/814132684582752256 |
| RADIO Technical meeting in Nafpaktos, GR makes it into the local news http://bit.ly/2j4eIYE | 03.01.2017 | | 566 | https://twitter.com/RadioProjectEU/status/816276711667011584 |
| .@hggranollers #pilot in Barcelona is ready to host 5 patients for pre-tials. #AmbientAssitedLiving #aal #smarthome #robot | 21.02.2017 | | 785 | https://twitter.com/RadioProjectEU/status/834058070481334272 |
| @hggranollers Twitter: This week the hospital welcome the technical #Meeting form the european research #project RADIO. | 13.03.2017 | | N/A | https://twitter.com/hggranollers/status/841339383613661186 |
| The @radioprojectEU working on the @hggranollers #pilot! @iit_demokritos | 17.03.2017 | | 386 | https://twitter.com/RadioProjectEU/status/842683479590670336 |
| RT @hggranollers Twitter: The @radioproject EU working on the @hhgranollers #pilot @iit_demokritos Technical | 17.03.2017 | | N/A | https://twitter.com/RadioProjectEU/status/842683479590670336 |
| #AAlForum2017 #Call4Sessions #Innovation #Coimbra #Portugal | 27.03.2017 | | N/A | https://twitter.com/AALProgramme/status/846349046784688129 |

| | | | | |
|---|---|---|---|---|
| Retweet EU_eHealth<br><br>'Monitoring vital signs with artificial intelligence'<br><br>http://bit.ly/2o5KirH via @HorizonMagEU #AI #PCP @Nightingale_EU #H2020 #eHealth | 28.03.2017 | N/A | N/A | https://twitter.com/EU_eHealth/status/846655387487162368 |
| #Robot-Delivered Pizza anyone?<br><br>Domino's launches ROBOT pizza deliveries in Europe - http://Mirror.co.uk  http://dlvr.it/Nm4n3X  #robots | 30.03.2017 | N/A | 70 | https://twitter.com/RadioProjectEU/status/847437699665412097 |
| #eHealthWeekEU is in Malta this year! Still some time to join on 10 - 12 May 2017 | 30.03.2017 | N/A | 42 | https://twitter.com/RadioProjectEU/status/847251721583599616 |

## *FACEBOOK*

The project's official Facebook Group (Figure 8) has 73 Likes. Project updates are posted on a regular basis however dissemination partners plan to put a greater effort into growing and engaging this community even more.  Partners also share material posted on the project wall such as NCSR Demokritos (Figure 9) and partner FHAG (Figure 10).
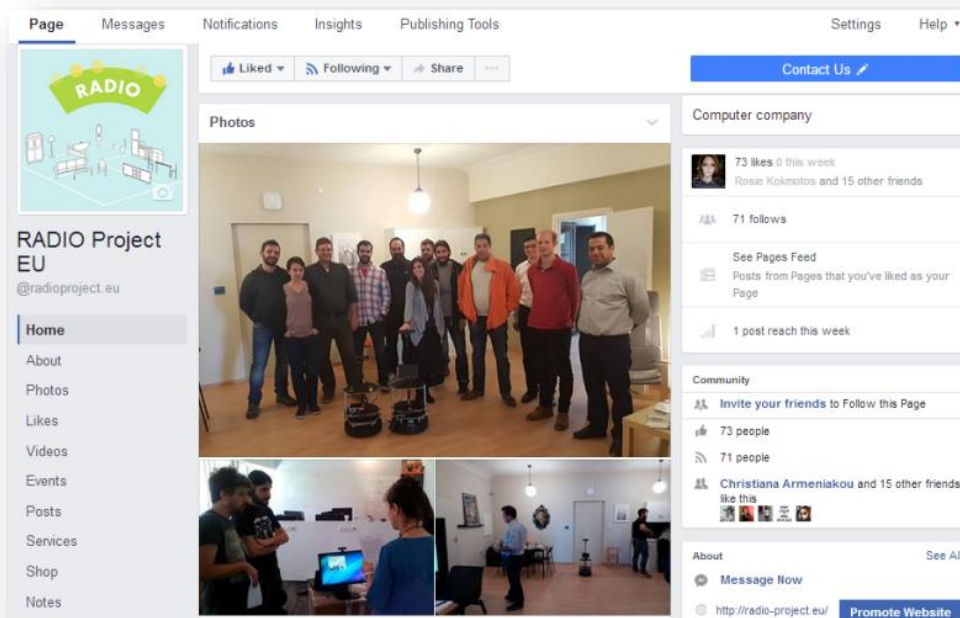


**Figure 8:** RADIO on Facebook
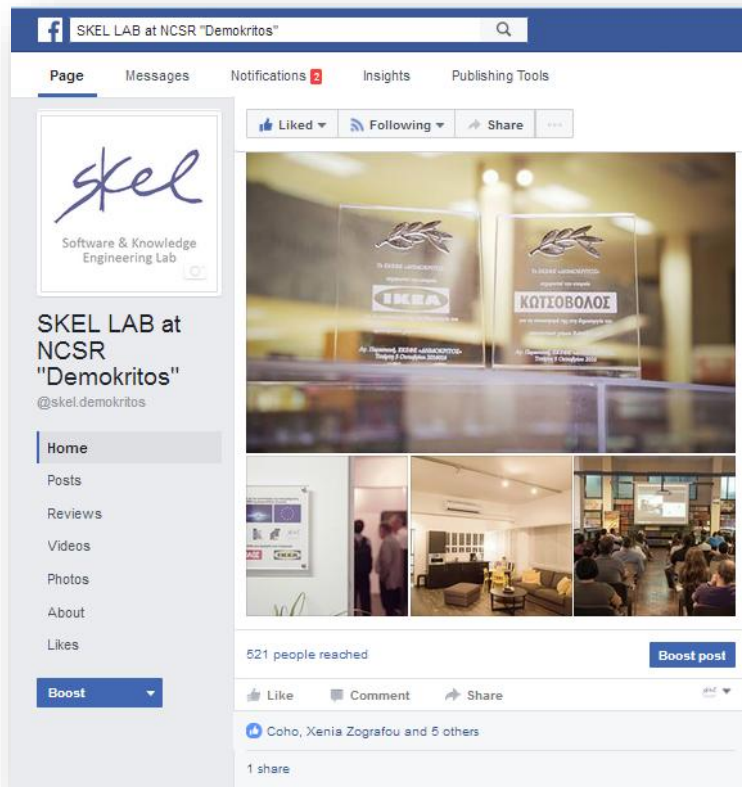
**Figure 9:** Partner NCSR-D (SKEL Lab) regularly shares items on their Facebook page



**Figure 10:** FHAG partner's post on their Facebook page

***LINKEDIN***

The RADIO LinkedIn group currently has 42 members (Figure 11). News about the project and some industry-related reports are shared on this profile. A bigger push is required on this communication channel which will be done by dissemination partners.
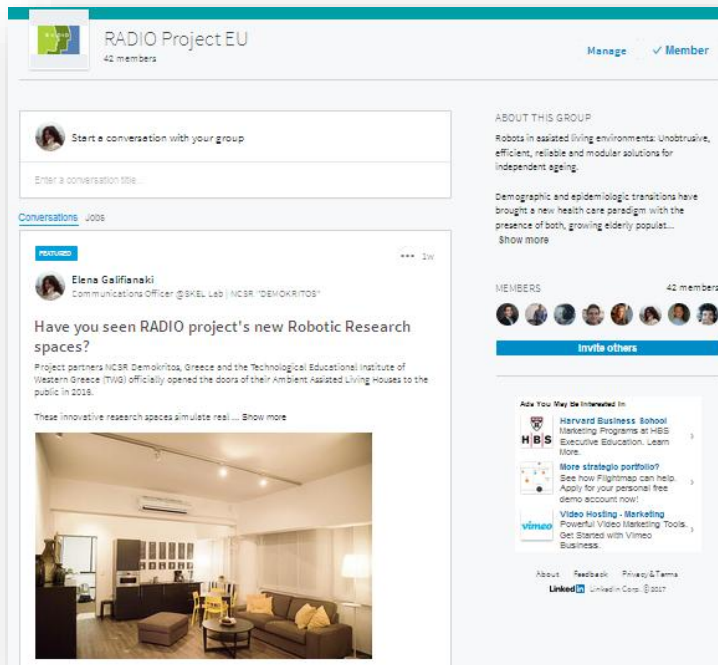


**Figure 11:** RADIO on LinkedIn

### 3.1.3   PROJECT FACT SHEET

The RADIO fact sheet is a piece of dissemination material which outlines the project's rationale and objectives, specifies its technical baseline, and presents the project's progress in a simple manner. The fact sheet will be maintained and updated, with intermediate and final outputs, at regular intervals until the end of the project.

Fact sheets are freely available online for the public to download on the RADIO website through the *Project Deliverables* webpage (http://www.radio-project.eu/deliverables).The fact sheet is also intended for use by the European Commission for its own dissemination and awareness activities and will be published on EC websites such as CORDIS.

Figure 12 below gives an indication of the look of the three versions of Fact sheets produced. The latest version (Factsheet III) is currently being finalised and will soon be available to download and print for dissemination.

| Deliverable | Fact sheet example |
|---|---|
| **D7.1 Project fact sheet I** <br> May 2015 <br><br> (available at http://radio-project.eu/downloads/documents/Radio-d7.01-Factsheet.pdf) |  |
| **D7.2 Project fact sheet II** <br> March 2016 <br><br> (available at http://radio-project.eu/downloads/documents/Radio-d7.02-Factsheet.pdf) |  |
| **D7.3 Project fact sheet III** <br> March 2017 <br><br> (available at http://radio-project.eu/downloads/Factsheet.pdf) |  |

**Figure 12:** RADIO project fact sheets

### 3.1.4 *RADIO IN THE MEDIA & PRESS RELEASES*

When in need to inform the general public about new developments stemming from the project, it is usually done via the creation and dissemination of a Press release to journalists and the Media. In this case, the official opening of the new AAL smart room at NCSR-D premises in October 2016 prompted for the preparation and release of a Press release in English and Greek (Figures 13 &14) The Press release was uploaded on the project website and disseminated to Greek and European media, and journalists blogs and online information portals, the project's - as well as partner's - social networks.

**Figure 13:** RADIO Press Release in English



**Figure 14:** RADIO Press Release in Greek

The German public is also very interested in the outcomes of the RADIO project. A German magazine with a target audience of doctors published an article about independent ageing. In this article, the RADIO project was introduced as one of the driving innovators for this kind of technology (Figure 15).

**Figure 15:** RADIO Press Release in German

Partner FHAG showcased the RADIO project on Regional TV (VOTV channel) in November 2016. A video explained the RADIO project communicating developments with partner interviews (Figure 16). (http://votv.xiptv.cat/granollers/capitol/creix-el-nombre-de-recerques-cientifiques-que-es-fan-a-l-hospital)



**Figure 16:** Partner FHAG showcases RADIO on TV

**Figure 17:** FHAG Intranet Press Release (in Catalan)

Additionally, FHAG is continuously updating RADIO project state on its Intranet, in order to inform all the professionals at the Hospital about the development of the project, and on Twitter and Facebook. Last Press release update on FHAG Intranet is shown in Figure 17 below.

### 3.1.5 *PUBLIC AND TECHNICAL REPORTS ON THE RADIO WEBSITE*

All public deliverables that are software prototypes will be developed as open source software on Bitbucket or similar infrastructures, allowing the academic community continuous access to the prototypes and the associated channels for raising and tracking issues. All public deliverables that are reports have been made freely available for downloading from the RADIO website.

The RADIO website promotes the project's scientific results by publishing five documents, one for each of the following topics: ADL and mood recognition, user acceptance, low-power operation, smart home integration and medical data management. These will provide an appropriate entry point for researchers and, in general, a technically savvy readership, summarizing project outcomes and giving pointers to deliverables and publications for further details.

### 3.1.6 *RADIO PROMOTIONAL VIDEO*

To further communicate to target audiences what it is that the RADIO project does, the partnership has created a comprehensive three-minute video to support the multimedia dissemination of its activities and help raise awareness of its objectives. The video has been uploaded on the RADIO project website for public use (http://www.radio-project.eu/news/10) it has been virally disseminated online via social networks (YouTube, Vimeo, Twitter, Facebook), and also made available offline by being presented to the public during conferences, workshops, partner smart room openings etc. A series of screenshots may be viewed in Figure 18 below.
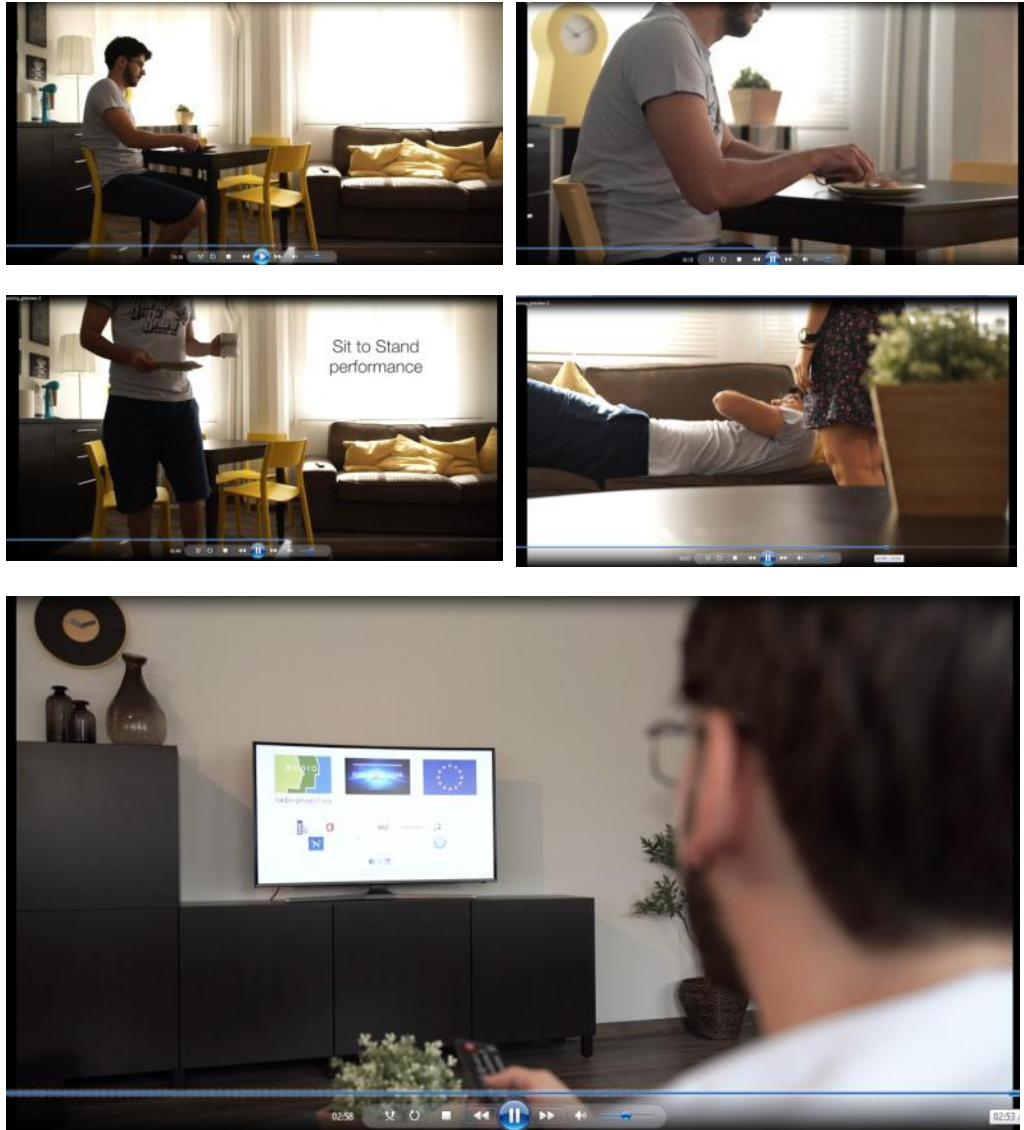
**Figure 18**: Screenshots from RADIO's promotional video

## 3.2   RADIO DISSEMINATION - OFFLINE PRESENCE

### *3.2.1   OPENING OF THE RADIO AAL SPACES AT NCSR DEMOKRITOS AND TWG PREMISES*

#### 3.2.1.1   AAL HOUSE AT NCSR DEMOKRITOS PREMISES, ATHENS, GREECE

In October 2016 partner NCSR Demokritos opened the doors of the project's newly created Ambient Assisted Living (AAL) House, namely Roboskel Lab, to the public. The robotic research space which is situated at the Library of the campus simulates a real home and was completed with the help of companies IKEA Greece and KOTSOVOLOS (http://radio-project.eu/blog/6).

The opening of the lab was attended by the President of NCSR Demokritos, Dr. N. Kanellopoulos along with Research Director and Head of SKEL Lab Dr. Vangelis Karkaletsis whilst guests of the evening included representatives from Research Institutes and Universities from across the country. A presentation was made at the event by Dr Sossana Kolyva, H2020 NCP contact for Health, demographic change and wellbeing. In addition EC officer Dr Monika Lanzenberger responsible for the RADIO project welcomed the audience and the initiative via a Skype connection (Figure 19).

***Figure 19****: Photographs from the opening of the AAL House at NCSR Demokritos premises*

### 3.2.1.2 AAL HOUSE AT TWG PREMISES, NAFPAKTOS, GREECE

In December 2016 partner TWG opened the doors of its research pace to the public for the first time. The 60m$^2$ apartment-like research space is situated near TWG premises at "Papacharalabios" public Library of Nafpaktos and is fully operational with AAL technology for the purposes 3of the RADIO project (http://radio-project.eu/blog/5).Thisresearch space is open to the public for daily visits as part of the library, which during summer months, attracts more than 1.500 visitors monthly. Finally, the AAL House and RADIO technology will be demonstrated to primary and high school students via web conferencing facilities (Figure 20).
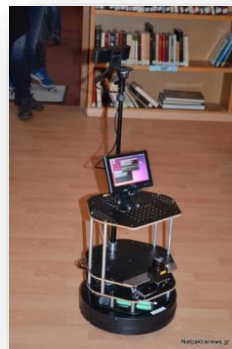


*Figure 20: Photographs from the opening of the AAL House at TWG premises*

### 3.2.2 *Organised Robotic School Visits*

The programme for robotic school visits which is currently underway at NCSR-D premises has been warmly welcomed by more than 2.500 school students and their teachers who attend organised visits from all over Greece. The main goal of the programme is to familiarize school children with robotics and automation in general, but also with the specific technologies and concepts of the RADIO action. The programme, which is executed by a professional Museum Educator, proved to be for the second year running a great success. An extremely interested and enthusiastic audience has caused the school visits to be fully booked for the whole of 2017since within a week of the registration opening. During this educational programme children are acquainted with existing robots at NCSR-D, learn about the history of robots and understand how robotic technology can assist the elderly, and wider public in general, in their everyday lives (Figures 21 & 22).

The dedicated website for school visits: http://schoolvisits.iit.demokritos.gr/robotics/2016/about



***Figure 21:*** Student photo from a recent school visit
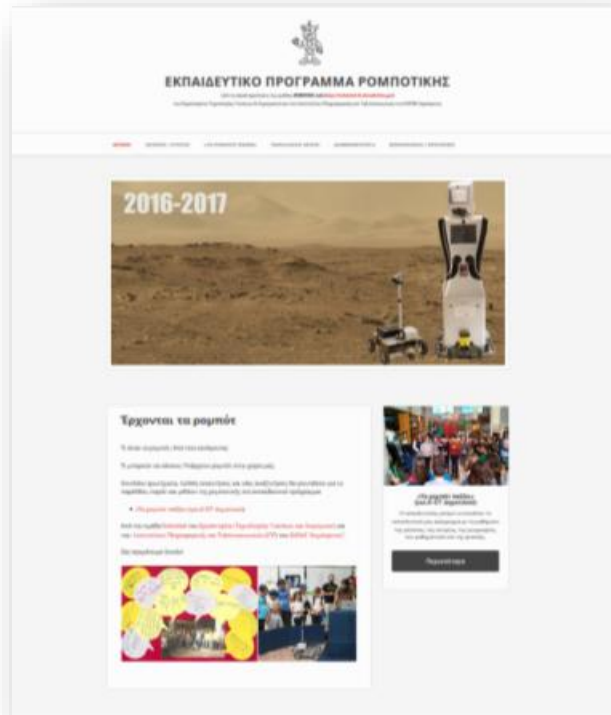
**Figure 22**: Dedicated website for Robotics school visits

### 3.2.3   *RADIO POSTER*

RADIO partners have created posters which involved the graphic representation of preliminary data collected from the project and presented at an event or a conference in a scientific way (Figure 23).



**Figure 23**: RADIO poster created for Athens Science Festival 2016 (Athens, Greece)

### 3.2.4 THE RADIO BOOK

TWG and RUB (Georgios Keramidas, Nikolaos Voros, and Michael Hubner) are the editors of a book related to IoT technology. The title of the book is "Components and Services for IoT Platforms: Paving the Way for IoT Standards" and is published by Springer with ISBN: 978-3-319-42302-9. The book hosts four chapters written by RADIO partners with the goal to present the latest technologies related to Internet of Things and act as a mechanism for bringing together well known scientists around the world. The RADIO project is also presented as part of the book. One of the chapters offers a survey of the EU funded projects (under the H2020 umbrella) in the area of IoT and Ambient Assistant Living Environments Figure 24).



**Figure 24:** Cover of the RADIO book Components and Services for IoT Platforms, published by Springer 2017

### 3.2.5 PUBLICATIONS AND PRESENTATIONS

Participation and presentation of the project's research and technology results in scientific journals, bulletins, conferences, and workshops related to the partners' research areas.

**TABLE 4:** LIST OF PUBLICATIONS FOR YEAR 2

| PUBLICATIONS | |
|---|---|
| **PARTNER** | PUBLICATION DETAILS |
| **NCSR-D** | 1. The work on tracking and recognizing human walking patterns in laser scans has been submitted to the 2017 IEEE/RSJ International Conference on Intelligent Robots and Systems, Vancouver, BC, Canada, September 2017. Decision pending. |
| | 2. Extended version of the ICT4AWE 2016 publication on recognizing bathroom usage in the acoustic signal, "Monitoring activities of daily living using audio analysis and a raspberryPI: A use case on bathroom activity monitoring" by G. Siantikos, T. Giannakopoulos, and S. Konstantopoulos, accepted for publication to selected and revised papers of the ICT4AWE 2016 proceedings, CCIS series. Springer, to appear. |

| | 3. | The work on classifying acoustic signals as music, talking, housework has been submitted as "Daily activity recognition based on meta-classification of low-level audio events" by T. Giannakopoulos and S. Konstantopoulos and was accepted for publication by the 3rd International Conference on ICT for Ageing Well and e-Health (ICT4AWE 2017), Porto, 28-29 April 2017. The acoustic dataset and annotations used has also been published as "A dataset for high-level activity recognition based on low level audio events." https://doi.org/10.5281/zenodo.376480 |
|---|---|---|
| | 4. | The work on classifying actions tracked in video as chair transfer or walking was published as "Short-term Recognition of Human Activities using Convolutional Neural Networks" by M. Papakostas, T. Giannakopoulos, F. Makedon, and V. Karkaletsis. In *Proceedings of the 2016 IEEE International Conference on Signal-Image Technology & Internet Based Systems (SITIS 2016)*. https://doi.org/10.5281/zenodo.376482 |
| | 5. | The intermediate architecture of the ADL recognition system (D3.2) was published as "Design for a system of multimo3dal interconnected ADL recognition services" by T. Giannakopoulos, S. Konstantopoulos, G. Siantikos, and V. Karkaletsis. Chapter 16 in *Components and Services for IoT platforms: Paving the Way for IoT Standards*. Springer, September 2016. https://doi.org/10.1007/978-3-319-42304-3_16 |
| | 6. | The AUROS system that integrates acoustic analysis in the ROS middleware was published as "A ROS Framework for Audio-Based Activity Recognition" by T. Giannakopoulos and G. Siantikos. In *Proceedings of the 9th ACM International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2016)*, Corfu, 29 June 29 –1 July 01 2016. https://doi.org/10.1145/2910674.2935858 |
| | 7. | The work on recognizing bathroom usage in the acoustic signal was published as "A low-cost approach for detecting activities of daily living using audio information: A use case on bathroom activity monitoring" by G. Siantikos, T. Giannakopoulos and S. Konstantopoulos.In*Proceedings of the 2nd International Conference on Information and Communication Technologies for Ageing Well and e-Health (ICT4AWE 2016)*, Rome, 21-22 April 2016. An extended version has been accepted to the Springer *Communications in Computer and Information Science* series. |
| | 8. | The work on privacy-preserving data mining has been published as "A peer-to-peer protocol and system architecture for privacy-preserving statistical analysis" by K. Zamani, A. Charalambidis, S. Konstantopoulos, M. Dagioglou, and V. Karkaletsis. In *Proceedings of Privacy Aware Machine Learning for Health Data Science (PAML 2016)* workshop of the 11th International Conference on Availability, Reliability and Security (ARES 2016), Salzburg, Austria, 29 Aug – 2 Sep 2016. Springer LNCS 9817, https://doi.org/10.1007/978-3-319-45507-5_16 |

| | | |
|---|---|---|
| **TWG** | 9. | "On Security Provision in Demanding Cyberphysical Bluetooth based Systems" Christos Antonopoulos, Nikolaos Voros, Konstantinos Antonopoulos, Christos Petropoulos, Geroge Krikis - SEEDA-CECNSM '16 Proceedings of the South East European Design Automation, Computer Engineering, Computer Networks and Social Media Conference Pages 53-59 |
| **RUB/TWG/ NCSR-D** | 10. | "Computation and Communication Challenges to Deploy Robots in Assisted Living Environments" Georgios Keramidas, Christos Antonopoulos, Nikolaos S. Voros, Fynn Schwiegelshohn, Philipp Wehner, Jens Rettkowski, Diana Göhringer, Michael Hübner, Stasinos Konstantopoulos, Theodore Giannakopoulos, Vangelis Karkaletsis, Vaggelis Mariatos - In Proc. of the Design, Automation and Test in Europe Conference (DATE), Dresden, Germany, March 2016. |
| **RUB** | 11. | "Enabling Indoor Object Localization through Bluetooth Beacons on the RADIO Robot Platform" Fynn Schwiegelshohn, Philipp Wehner, Florian Werner, Diana Göhringer, Michael Hübner - In Proc. of the International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation (SAMOS XV), pp. 1-6, Samos, Greece, 2016. |
| **RUB** | 12. | "Enabling Dynamic Reconfiguration of Numerical Methods for the Robotic Motion Control Task" Fynn Schwiegelshohn, Florian Kästner, Michael Hübner - 23rd Reconfigurable Architectures Workshop (RAW 2016), Chicago, USA |
| **RUB** | 13. | "FPGA Design of Numerical Methods for the Robotic Motion Control Task exploiting High-Level Synthesis" Fynn Schwiegelshohn, Florian Kästner, Michael Hübner - 2016 ICSEE International Conference on the Science of Electrical Engineering- EILAT Israel |
| **RUB** | 14. | "Internet of Things Simulation using OMNeT++ and Hardware in the Loop" Philipp Wehner, Diana Göhringer - In: Components and Services for IoT platforms: Paving the way for IoT standards, Springer, 2016. |

**TABLE 5:** MAIN ACTIVITIES CARRIED OUT DURING YEAR 2 OF THE PROJECT

| Dissemination Reporting YEAR 2 (April 2016 - March 2017) | | PUBLICITY | | | | | |
|---|---|---|---|---|---|---|---|
| DATE | DISSEMINATION ACTIVITY TYPE & TITLE OF THE PRESENTED WORK | LOCATION | CONSORTIUM PARTNER & NAME OF AUTHOR/ PRESENTER/ TUTOR | AUDIENCE TYPE & SIZE | IMPACT& BRIEF EXPLANATION | STATUS | WEBLINK |
| 12/01/2016 | Oral presentation: "Accelerating Image Processing Algorithms for the RADIO Project's Assistant Robot System" | BVAu 2016 Lemgo, DE | (RUB) Fynn Schwiegelshohn, Muhammed Al Kadi, Philipp Wehner, Philipp Smoluk, Diana Göhringer, Michael Hübner | Scientists of Electrical Engineering and Information Technology | High impact since contacts with industrial representatives were established | Accepted | http://www.hs-owl.de/init/bvau2016/index.php/home |
| 14-18/03/2016 | Oral Presentation "Computation and Communication Challenges to Deploy Robots in Assisted Living Environments" | Design, Automation & Test in Europe Conference & Exhibition (DATE), 2016, Dresden, DE | TWG (Georgios Keramidas) | Scientific of various domains | High | Presented | https://www.date-conference.com/date16/ |
| 05-10/04/2016 | Demonstration/Exhibition: Athens Science Festival 2016 | Athens, GR | NCSR-D | General public, Students, Policy makers, local authorities | Medium (Local - regional level) | Completed | http://www.athens-science-festival.gr/ |
| 15-16-17/04/2016 | Exhibition concerning RADIO activites | PatrasIQ 2016 Patra, GR | TWG (Nikoloas Voros, Christos Antonopoulos, Georgios Keramidas) | General public | High | Completed | http://www.patrasiq.gr/index.php |
| 25/04/2016 | Presentation of RADIO. Nursing Degree. Universitat de Girona, Communication of the project to an academic audience. | Girona, ES | FHAG (Diana Navarro) | Aacademi,c Public | Low/Medium level (academic) | Executed | |
| 16 - 18/05/16 | Oral presentation: "Robots in Assisted Living Environments" | ICT 2016 Thessaloniki, GR | (RUB) Fynn Schwiegelshohn | Scientists of Electrical Engineering and Information Technology | High impact since contacts with industrial representatives were established | Presented | http://ict-2016.org/ |
| 16-18/05/2016 | Workshop organization, Oral presentation "Robots in Assisted Living Environments" | ICT 2016, 23rd International Conference on Telecommunications, Thessaloniki, GR | TWG (Nikoloas Voros, Christos Antonopoulos, Georgios Keramidas) | Scientists of Electrical Engineering and Information Technology | High | Presented | http://ict-2016.org/# |
| 16-18/05/2016 | Oral Presentation of the RADIO project to academic partners at the workshop "Trends and challenges of Cyber Physical Systems: Design, Arhcitecture and Applications" | ICT 2016 Thessaloniki, GR | (RUB) Fynn Schwiegelshohn | Scientists of Electrical Engineering and Information Technology | High impact since contacts with industrial representatives were established | Presented | http://ict-2016.org/ |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16-18/05/2016 | Demonstrator presentation to academic partners at the workshop "Trends and challenges of Cyber Physical Systems: Design, Arhcitecture and Applications" | ICT 2016 Thessaloniki, GR | (RUB) Fynn Schwiegelshohn | Scientists of Electrical Engineering and Information Technology | High impact since contacts with industrial representatives were established | Presented | http://ict-2016.org/ |
| 23 - 24/05/16 | Poster: "Enabling Dynamic Reconfiguration of Numerical Methods for the Robotic Motion Control Task" | IPDPS/RAW 2016 Chicago, USA | (RUB) Fynn Schwiegelshohn, Florian Kästner, Michael Hübner | Scientists of Electrical Engineering and Information Technology | High impact since contacts with industrial representatives were established | Published | http://raw.necst.it/ |
| 16/06/2016 | Oral Presentation: General Clinical Session | FHAG premises, ES | (FHAG) Diana Navarro, Sergio Ariño | Healthcare professionals | Low (local level) | Executed | |
| 18 - 21/07/16 | Oral presentation: "Enabling Indoor Object Localization through Bluetooth Beacons on the RADIO Robot Platform" | SAMOS 2016 Samos, GR | (RUB) Fynn Schwiegelshohn, Philipp Wehner, Florian Werner, Diana Göhringer, Michael Hübner | Scientists of Electrical Engineering and Information Technology | High impact since contacts with industrial representatives were established | Published | http://samos-conference.com/ |
| 20-21/09/2016 | Exhibition - Smart Summit | London, UK | S&C (Pedro Espinel, Angel Amores) | Industry | High impact since contacts with industrial representatives were established | Completed | http://www.iotsmartsummitlondon.com/ |
| 21/09/2016 | Oral dissemination: Information day organised by the NGO FRODIZO, due to the World day for Alzheimer disease | Patras, GR | Frontida Zois | Healthcare professionals, General public | Low (local level) | Executed | |
| 25-27/09/2016 | Oral presentation "On Security Provision in Demanding Cyberphysical Bluetooth based Systems" | SEEDA-CECNSM 2016 Kastoria, GR | TWG (Christos Antonopoulos) | Scientific of various domains | Medium (regional level) | Presented | http://kastoria.teiwm.gr/seeda/ |
| 29/09/2016 | Oral Presentation: R+D+I 6es Jornades TIC Slut I Social 2016 | UVic, ES | FHAG (Dra. Elena Barranco) | Healthcare professionals - Industry | Medium (Regional level) | Executed | https://youtu.be/TDbH0DlQrbk |
| 30/09/2016 | Demonstration/Exhibition: Paneuropean Researcher's Night 2016 | Athens, GR | NCSR-D | General public | Medium (Local - regional level) | Completed | |
| 30/09/2016 | Exhibition | Researcher's Night Athens, GR | TWG (Nikoloas Voros, Christos Antonopoulos) | General public | High | Completed | http://www.renathens.gr/ |
| 05-07/10/2016 | Oral Dissemination - South Summit | Madrid, ES | S&C (Alberto Fernandez) | Industry | High impact since contacts with industrial representatives were established and contact with investors made | Completed | https://www.southsummit.co/ |
| 25-27/10/2016 | Exhibition - IoT World Congress | Barcelona, ES | S&C (Pedro Espinel, Angel Amores, Sofia Aivalioti, Narcis Avellana, Pablo Gimenez) | Industry | High impact since contacts with industrial representatives were established | Completed | http://www.iotsworldcongress.com/ |

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| 07- 08/11/16 | Oral presentation: "Combination of robotics with home automation with the RADIO approach" | 3. Pflegekonferenz Berlin, DE | (RUB) Michael Hübner | Scientists of Electrical Engineering and Information Technology | High impact since contacts with industrial representatives were established | Presented | http://berliner-pflegekonferenz.de/referenten/prof-michael-huebner/ |
| 15-17/11/2016 | Exhibition - Smart City Expo | Barcelona, ES | S&C (Pedro Espinel, Narcis Avellana) | Industry | High impact since contacts with industrial representatives were established | Completed | http://www.smartcityexpo.com/ |
| 16/11/2016 | Exhibition stand and Stand Presentation: 21ª Science Week in Catalonia 2016 general research and RADIO presentation (posters and flyers) | FHAG, ES | FHAG Team | General Public | Medium (regional level) | Executed | Photos and in RADIO twitter |
| 16/11/2016 | TV Report – 21ª Science Week 2016 | VOTV, ES | (FHAG) Diana Navarro, MercèRatera | General Public | Medium (regional level) | Executed | http://votv.xiptv.cat/granollers/capitol/creix-el-nombre-de-recerques-cientifiques-que-es-fan-a-l-hospital |
| 16 - 18/11/16 | Oral presentation: "FPGA Design of Numerical Methods for the Robotic Motion Control Task exploiting High-Level Synthesis" | ICSEE 2016 Eilat, IL | (RUB) FynnSchwiegelshohn, Florian Kästner, Michael Hübner | Scientists of Electrical Engineering and Information Technology | High impact since contacts with industrial representatives were established | Accepted | http://www.ieee.org.il/icsee-2016/ |
| 22-23/11/2016 | Exhibition | IoT workshop at University of Thessaly, Lamia, GR | TWG (Nikoloas Voros) | General public | Medium (regional level) | Completed | N.A. |
| 08-09/11/2016 | Oral Presentation of the RADIO project to medical partners at the workshop "Living Lab – ElektronischgestütztePflege" at the 3rd international Berlin Medicaid conference | Berlin, DE | RUB | Healthcare professionals - Industry | Medium (regional level) | Presented | http://berliner-pflegekonferenz.de/ |
| 15-16/12/2016 | Oral Presentation of the RADIO PROJECT at the XXVI Convegno Nazionale S.I.Ne.G., "New Frontiers in Neurogeriatria", | Rome, IT | FSL | | | | http://www.sineg.it/ |
| 27/02-02/03 2017 | Mobile World Congress | Barcelona, ES | S&C (Pedro Espinel, Narcis Avellana, Pablo Gimenez, Alberto Fernandez, Borja Raurich) | Industry | High impact (international level), Many contacts achieved with C level representatives of SMEs and Large Enterprises from the IoT and AAL sector | Completed | https://www.mobileworldcongress.com/ |
| February 2017 | Internal Meeting at Behavioural and Clinical Neurology Laboratory, | Santa Lucia Foundation, Rome, IT | FSL | Healthcare professionals | | Completed | http://www.hsantalucia.it/ |

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| 01/03/2017 | Oral Presentation RADIO project to the management team of ConsorciSanitari Integral - Moses Broggi Hospital Health Provider Institution | St Joan Despí, Barcelona, ES | FHAG (Diana Navarro) | Healthcare professionals | Low (Only management Team) | Executed | |
| 16/03/2017 | IV Jornadas de eSalud Asturias (Oviedo). Oral Presentation. Round table about Innovation and Biomedical Research (4th eHealth Congress-Innovation and biosanitary Research) | Oviedo, Asturias-ES | FHAG (Diana Navarro) | Healthcare professionals | High (National level) | Executed | http://esaludasturias.org/ |
| 30/3/2017-01/04/2017 | 17° CONGRESS of Psychogeriatrics Italian Association (AIP) Poster presentation, ,. http://www.psicogeriatria.it/home/ | Florence, IT | FSL | The Congress focuses on principal diseases such as dementia, depression, Parkinson's disease, sleep disorders etc. | | | |

## *4 CONCLUSION*

Summarising the dissemination and communication activities of the second year it can be concluded that there is a good overall progression of the RADIO project.

The number of publications is progressing well and all of the deliverables are being presented on the project website. The scientific community is being targeted adequately via online and offline channels and greater attention will be paid so as to reach the industrial stakeholders and attract them in order to successfully exploit project results.

Even though all social networks are properly run, a bigger push is required so as to capitalize on their powerful capabilities in addition to the variety of other channels being employed. The mixture of RADIO partner presence at physical, offline events and via the digital channels has been proven to work well.

Finally, the RADIO partnership expects that the set dissemination goals and KPIs will be successfully met by the end of the project with the planned dissemination and communication activities contributing to its overall success.